

RADIO FREQUENCY INTEGRATED CIRCUIT HAVING SYMMETRICAL
DIFFERENTIAL LAYOUT

ABSTRACT OF THE DISCLOSURE

5

A radio frequency circuit includes a first differential RF path and a second differential path. The first differential RF path includes at least one RF block that includes a first differential section and a second differential section, wherein the first differential section is symmetrical with the second differential section. The second differential RF path includes at least one RF block that includes a first differential section and a second differential section, wherein the first differential section is symmetrical with the second differential section. The first and second half differential sections of the at least one RF block of the first differential RF path are symmetrically placed on at least one layer around the first and second half differential sections of the at least one RF block of the second differential RF path, wherein the first and second half differential sections of the at least one RF block of the second differential RF path are fabricated on the at least one layer.